## Contents of Applied Animal Behaviour Science, Volume 30

Vol. 30 Nos. 1-2

**April 1991** 

Behavior of cattle in pens exposed to $\pm 500$ kV DC transmission lines	
D. Ganskopp, R. Raleigh (Burns, OR, U.S.A.), M. Schott and T.D. Bracken (Portland,	
OR, U.S.A.)	1
Sample size determinations for studying selected cattle foraging behaviors	
K.M. Havstad (Las Cruces, NM, U.S.A.) and K.M. Olson-Rutz (Bozeman, MT, U.S.A.)  The effects of supplementary light on the behaviour and performance of calves	
L. Weiguo and C.J.C. Phillips (Bangor, Gt. Britain)	27
Conditioned taste aversions: how sick must a ruminant get before it learns about toxicity in foods?	
J.T. du Toit (Harare, Zimbabwe), F.D. Provenza (Logan, UT, U.S.A.) and A. Nastis (Thessaloniki, Greece)	35
The process of weaning in pigs: when the sow decides	4.00
K. Bøe (Ås-NLH, Norway)	47
The effects of aversively handling pigs, either individually or in groups, on their behaviour, growth and corticosteroids	
P.H. Hemsworth and J.L. Barnett (Werribee, Vic., Australia)	61
Individual differences in behavioural responses of pigs exposed to non-social and social challenges	
A.B. Lawrence, E.M.C. Terlouw and A.W. Illius (Edinburgh, Gt. Britain)	73
The effect of food intake on young Soay and Clun Forest lambs' response to touch on the face M.A. Vince and M.W. Stanier (Cambridge, Gt. Britain)	87
Bonding of Spanish kid goats to cattle and sheep C.V. Hulet, D.M. Anderson, J.N. Smith, W.L. Shupe and L.W. Murray (Las Cruces,	
NM, U.S.A.)	97
Feeding behaviour as an indirect measure of food intake in laying hens	
J. van Rooijen (Beekbergen, The Netherlands)	105
Shuttle and one-way avoidance as measures of aversion in the domestic fowl	
S.M. Rutter and I.J.H. Duncan (Roslin, Gt. Britain)	117
A study of the use of resting platforms by farmbred blue foxes	
M. Harri, J. Mononen, H. Korhonen and K. Haapanen (Kuopio, Finland)	125
Operant technology applied to solving farm animal problems. An assessment	
R. Kilgour, T.M. Foster, W. Temple, L.R. Matthews and K.J. Bremner (Hamilton,	
New Zealand)	141
Short Communication	
The effect of piglet stimuli on the posture changing behaviour of recently farrowed sows	
G.M. Cronin and J.A. Cropley (Werribee, Vic., Australia)	167
Proceedings (Papers presented at the Summer Meeting of the Society for Veterinary Ethology,	
Montecatini Terme, Pistoia, Italy, 17–19 May 1990)	173

Guide for Authors	197
Vol. 30 Nos. 3-4 May	1991
Selective grazing behaviour in horses: development of methodology and preliminary use of	
tests to measure individual grazing ability	203
S.L. Marinier and A.J. Alexander (Durban, South Africa)  Behaviour of dairy cows when fed concentrates with an automatic feeding system	203
H.K. Wierenga and H. Hopster (Zeist, Netherlands)	223
Timing of visits to the concentrates feeding station by dairy cows	643
H.K. Wierenga and H. Hopster (Zeist, Netherlands)	247
The influence of conditions at the time of mating on reproduction of commercial pigs	
P.H. Hemsworth, C. Hansen (Werribee, Vic., Australia), G.J. Coleman (Bundoora, Vic.,	
Australia) and E. Jongman (Wageningen, Netherlands)	273
The effects of modifying the farrowing environment on sow behaviour and survival and growth of piglets	4
G.M. Cronin and G. van Amerongen (Wageningen, Netherlands)	287
Modifications in the aggressive and ingestive behavior of the neonatal piglet as a result of prenatal elevation of cortisol in the dam	
L.A. Bate (Charlottetown, P.E.I., Canada)	299
Effect of straw on the behaviour of growing pigs	
D. Fraser, P.A. Phillips, B.K. Thompson and T. Tennessen (Ottawa, Ont., Canada)	307
Genetic variation of sitting frequency and duration in pigs	210
J.J. McGlone, C.K. Akins and R.D. Green (Lubbock, TX, USA)	319
Importance of behavioural stimuli in ram-induced ovulation in seasonally anovular	
Corriedale ewes R.M. Rodríguez Iglesias, N.H. Ciccioli, H. Irazoqui and B.T. Rodríguez (Bahla Blanca,	
Argentina)	323
Effects of sexual stimulation on the sexual performance of rams	343
E.O. Price, S.J.R. Wallach and M.R. Dally (Davis, CA, USA)	333
Behavioural variability of olfactory exploration of the pet dog in relation to human adults	
J.C. Filiatre, J.L. Millot and A. Eckerlin (Besançon, France)	341
An overview of types of aggressive behaviour in dogs and methods of treatment	
J.K. Blackshaw (Brisbane, Qld., Australia)	351
Space use by red deer in a Mediterranean ecosystem as determined by radio-tracking	
J. Carranza, S.J. Hidalgo de Trucios, R. Medina, J. Valencia and J. Delgado (Càceres,	
Spain)	363
Short Communications	
Effect of social conditions during rearing on mating behaviour of gilts	
N.M. Soede and W.G.P. Schouten (Wageningen, Netherlands)	373
Flock structure in red junglefowl	2/3
M.S. Sullivan (Oxford, UK)	381
Erratum	
Author Index	389



